In Essay as sund of on the Bondoin Caesarian Operation; submitted to the Medical Faculty University of Pensosylvania Inaugural Thesis for Medicine of Medicine . By Fract Bailey Bradley of Maine.



Medical receive has, at no period, made more rapid advances their since the commencement of the present century. The different branches of it have not, perhaps, advanced with equal rapidity; but no one of theme has shood shill. Some additions have been made to des--criptime anatomy; and notwithstanding, the acknowments of Bicket; General Anutomy has received me les improvement: But much the most has been accomplished in pathological anatomy. Many have cultivated physiology with great yeal and with a correspondent success. Surgery has received such numerous ine provements, that some Explore it has made greater advances there any other department of medical science. Thomewer numerous + important they may be, it must be conceded, that a very honourable share of them, whether we regard their number or importance, belong to the Philadelphia Medical school. Chemistry, within the period above mentioned, has almost become a new some. Materia medica has been greatly improved, by the addition of new activetes, by acquiring a better knowl edge of the powers of those already in use, both as we



gands their compatibilities with each other, and spripe of plantion. This defeatment is gually indulate to pharmacus ical Chamistry, for the secont discourse of some remiedies in the night to higgerous, of the greatest value on on account of their efficiency and convenient form.

Metical functional some searce by her can give a chifact, must of meetinal some got the above of the last exclusion. While such quant in present we want for the last exclusion. While such gives the last the house of meeting to the last explay to these the More much of this properly in the entires bounds is due to the smoothed profifier of the matter that is obtained for the thing the engine of the thing one suggestionally market trug the engine of the thing was suggestionally and some of their ham been hartly and some ophibit on a most elegant manures by one of the Refigees of this University.

Reper a series of the prograp of medicine it will be seen, that the improvement have not been such a sumplification of it, as to demand life stridy to again a competite knowledge of it. The heatment may be hope,



be ugarded as more simple and more entering but the study of structure and function has of late aformed a utaline compositioner, and discussed an estimate the asterior and of the structure, and of his work he fore claim. I knowledge of structure which the structure and of chanced laws and plusmous on much function, and of chanced laws and plusmous and of the form of business and that the grounds out the form of business and the

Although it may be envenient; in populars communities, so far to chiefe the practice of the healing out, that individuals to a particular heavy it must stanting on high in charge that there is a small of personal stance on my out the beauties of modical science. The medical practices is a so is operated any one of them, will often find humself in the proclamatist of a making the first house of furting but when offer one making heavy, who is described if furting but when offer are unanalized as the want of some offerently levial humans one or datum.

The foregoing remarks have been neglected by the netjew, which I have relacted for the third, which I am about to offer, with much difference, for your accompliance.
When it is considered, that midnifug had so of time law

pl. tion : pay. agained as an ignelle at y and abandened to its warm, the item sought protein itself that one of its epartime to the item sought protein the most configurately profound, wind protein for one interesting from to fee characterism. But which the three there considerations, it seems to some that the Basenian to some that the Basenian three configurations, it seems to some that the Basenian configuration better to some three times, and for guardest intuit, with explant both to stand turn and function.

I hap it is not easy to explain aby is many suggested put a coloratariant to interfer in their course when the partial this between life and exactly when probability, if might may probability, of accuracy. I have is a population, of might may probability, of accuracy. I there is a population of super surgestion, is very easily many many. Here are accuracy commission is very easily many you, in which on much printly there him might be promised by easerting to its much by easerting to its much printly may take much be surgested in the surgestion in the lemits states, who does not support to work to the character of the content of the mice of the medical time to the content of the surgest them to the content of the surgest the matter or other, much it with the the attack.



to the circumstance, that British writers have been, with lately, the only authorities referred to by a great map of the Surgeons and Physicians of this country? If this be the case, it causes to be a matter of surprise, that this operation should never be attempted; where we are lotet by one of those writers, that this operation is "inevitable distinction to the woman" and by another, which has been until recently, the principal testbook of this country, that every woman, for whom the Caesarian operation can be proposed to de performed, will probably die; and should any one maine, her recovery might be considered as an escape, rather them a recovery to be expect. ed and then to see these opinions sustained by the suresp of the British operators. There is not one of our country Myricians or sugeores, who, defined of the benefit of numer rous and able counsellors, and with such opinions and water ill success storing him in the face, would not consider it raskores in him to undertake that; in which so many have failed. He would probably sooner altempt to tran away the factus piecemeal (as has been done) with the imminent



kazaw of destroying the mather also. The works of on even authors are phonocore, obtaining a greater circulation, and the property, danger and snoup of this operation will be reasoned in its true lights

The marginity of the Caesaniem operation arises prime infinity of the policy caused by Harditz flowers, and may also be undered much by Harditz flowers, and by tenous occas pring the cambridge of the policy of th

In that do not a gree as to the estant of deferently againing this operation. It have says it must, to a extense estant by the desirate of the operation, by Dunes laye it down as an assissmen, that the chilic cannot be things at by the nestert; when the strent diameter of the polaries is life the nestert; and the large polity three mets, and he large fully three mets, and he admit that it is guidenably while, in this estimate degree of deforming, the Cassainan operation would not be attention with life thought the matter. We know consider it impossible to the large the matter. We know consider it impossible to the large the cuttor within



when the auter-posterior diameter is lef there two in thes, and the transacre lefs them three and a half; and thinks that the employment of the excloser, where the autero posters or diameter is left than two and a half inches, is as hazar down to the mother as the Caesarian operation; got, were the child dead, he would employ the crotchets But even were the child dead, and the unters posterior deaureter less there two inches, he would be in favour of the Cassain operation. By bewees then discupes the question in those estreme cases of deformity, which require the use of the coolchet for their lumination, by which of the two ope rations the patient and society will be most benefitted." After deliberately considering all the points, the inevitable destruction of the child by the one, the comparative danger of both to the mother; together with the uncertainty of being able to deliver the abilet by the costetet after it is des troyed, and macepfully, as I think, combatting all the arguments against the Caesavian operation, he decides in favour of its I should do injustice to this argument of Br Dennes, should I attempt to make an abstract



from it. I must therefore, refer the reader to his work 18370). In this opinion Dr Dewees is supported by most of the continualal authors. Gardien mentions, that Boyer and other judicious practitioners had witnessed repeatedly the mutitation and estruction of the child by eminent many but the mother sunte immediately . In two of there ex ses the returns was replaced. But what had been the comparative maces of the cost chet, I mean where it is impo rionly demanded) compand with the Caesarian operation? If we refer to the continental practitioners, they tell us the colotest hairly ever succeeds in saving either mother or child, whereas the Caesarian operation, in considerably more than half the cases, presence both lines, and, in almost all, it presence one. I have heard of there or four cases in the Eastern States , where it was deemed newpary to employ the costchet, but without succep. It is unrecop may to enquire respecting the comparative success of the two operations among the British practitioners, as it is attenty - populle, that the use of the croteket or guillotime should be more fatal than the Caesarian operation has been.



Speaking of the success of this operation, a writer in Johnson's Medico Chimgical Review (Col W. New Sines P. 478.) suy, Klein, who was a very industrious physician and careful compiler, found that of eighty two Caesarian operations, performed between 1300 and 1769, the period in which the lateral operation prevailed only six proved fatat, or one case in every thinkers and a third. In this country, the success has been very little, and if we weeft Mr Barlow's case of Chalery, we are not acquainted with one, which terminated in the preservation of the mother, although the operation has been performed eighteen times. by hellie, who published when published the result of his inquiries into the mostately of this operation, in vol v. of the believeryth that ical and surgical Sournal, found that; out of 231 cases scattered about in the records of Surgery, 139 were said to have territive test succepfully. The operation has, during the year 1825, been performed in Germany their with succep; once by the Takuk, a condensed history of which care is subjained; once by Profesor Gracke, a surgeon of great enterprise and talent at Berlin; and lastly, by Mende the succepor of Conauder and profepor of midwifuy at Gollinger. The two last cases are not got middle



published; they will be inserted in the next number of this Townal, Within the same period, the histories of six unfor burnte cases have made their appearance, three in Siebolds Sound fur geburtshulfe, to and three in Mende's Obstetie Journal, which have a very favourable quotient on the suc apful rice. If we take the number of unfortunate cake that we published, and allow half that number for the cases not published, and there compare these with the succep ful cases , which we may be certain always make their appear ouce, we shall find the proportion of the footunate to the un fortunate will be about one in ten. Such is the result of a campul examination of the published documents up to the present time, and of many extended engineers, which we have instituted on this subject."

Now I am at a left to know by what mother of make sometimes are that desired the auto consisted at that desired the flying his rule to the 3 marginful and 6 unsured pill and 8 bracks I should make the preparation of the fortunate to the conference of the sould the same of and the same of the same



and I have been able to collect from the various journals published since the year 1817, 26 succepful cases, one of which was selfperformed where there were twent; another where mother and troins were saved, and on one patient the operation was performed twice succepfully. Within the same period, I find 3 em succepful cases. The fatal result of one of these is ascribed to the operation being de layed for five days from the commence ment of labour, by which, according to the operator, (br Seidler the formers of the mother were exhausted; which prevented the returns from contracting reasonably, and thence resulted surgaineous effusion into the abdomen". If I am couch in this coldection, it will give the vatio of fortunate to the wife. tunate as b to 1.

Are one it be denied, that this mough is as gent or gent to than in many other capital operations? Is it not for gent to than exhibit I We are not half as mereffet in factions of the coardinage of the place in fact the expension of any traffic decision, bestete to be before this last when menhay. Incl My I because it



is an established operation. It is one of acknowledged he cepity necepany to preserve, I might say to restore, the life of the patient. But I may ask, is not the patient, who dear - mands the use of the aroteket or the leaconian operation in as precurious a ribration, as the one with the deprepare cranium? And is not the chance of reasony from the fish at least as probable as from the second? Profepor Gibson once obscured, in conversation, that it was not likely more there one in ten recovered from fractions of the cranisum, where it is merepang to trephine. If, whom careful inquiry, this should be found to be the fact, I counst conceine why the Cawacian section should not be considered as an established operation, as well as the other, since it is evidently more manappel. Furthermore, perhaps we may rate the sucrep of the Caesanan operation higher than we have done, for it does not seem to me probable, that a mumber equal to one half of the un Surcepful auses reported, would be withheld from the publick; because the operation has been considered so appalling and fatat, that any sugar, who popular



sufficient shill and resolution to prompt him to undertake it, would give it to the publick whether sweepful or other wise.

Is the inceeping of necessing to this topicthe operation is so justly decaded of shall make some remarks upon the danger alteredancy it. The hogard of it is all desert a make faith, in the danger of free tends inflormmation, and recordly in the danger of homestrage from the incident actions respects thing the pain and suffering induses by it is suffered by some to be greater than human notice can surface. Note that the danger from perfect with mation is indicated by the the danger from perfect in the mation is indicated by the the danger from perfect in the mation is indisputable, but that is as formidable as many surgeons have imagneted or is always falat, is not to excitent.

of the inflammation in a fait, very enoughble to it has a livelinery to spead itself, the danger from a small wound would be as great as from a larger, and the council from the because in paraceuters und be as dangerent of from a larger increasing. The the chir hand, if there he as each lindings, it cannot be the hand, if there he as each lindings, it cannot be without



supposed, that the inflammation, confined to the edges of a smooth incised wound six or eight inches in length, would be fatat. Inovided we made use of the best means in our power to prevent or subdue it. From this it sums to me very apparent, that the danger of wounds of a sewas membrane is not always proportioned to their extent. Peritoneal inflammation presents such an extensive field for discussion, that I can not, in this place, pretend to enter into it with any minuteres. But I would observe, in the first place, that wounds of this membrane, without any complications, are much less dangerous, than they have usually been considered. It must be admitted, that they are seldon unattended with danger, and are often fatal But the danger and fatality are not usually the direct of feets of the wound, but they result from the initation of some foreign body, which gains accept to this membrane through the wound. In wounds of the viscoron abdomin some of its viscera are very afth to be wounded and to discharge their contents into the cavity of the peritoneum. If there viscera are not wounded, the chief danger will



arise from the admission of almospheric air into such wounds. The muscles of the abdoness maintain such a constant preferre whom the abdominal viscora, that there is little probability, that air will, to any considerable or tut, gain admission into the positioneal easity, but that it may reader some circumstances, count be doubted. And it is equally ecutain the long continued admission of atmospheric oir will decauge the functions of any part; which is not pretected by auticle. Suitation often will, indeed, often spread from one external wound by contimeous sympathy to the peritoneum; but it is usually, where the wound is suffered to remain open. This view might be illustrated by exses, and it is constrated by the dection of Mr Abunethy on the treatment of large absurpes. Upon this point a writer in the North american Medical and Surgical found vol 1. 7 1/2, says, The experiments arfued to above, prace; in conjunction with other facts, that the directly stimulating effects of atmospheric air, which contains but a certain portion of orggen, are but tailing, and get count wholly be deviced by any one



who will, at intervals, expose the cutis demoded of the cu ticle, or are inflamed busin, to the influence of the at mospheric air; but the great mischief caused by this fluid, arises from its conducting powers, by which heat and moisture are rapidly conveyed away from the our faces, which we freely expored to a current of air, and thus quat initation awwes" Sichat says "if they, (serous membranes) remain a short time exposed, to the air influences them; the organic sensibility is transformed to that of relation. Every contact of a foreign body not only herceptible, but painful to the animal". Again he says "Terous membranes, when they are exposed in a would, as we see in portions of the intestines town form the belly of our animal, soon grow cool remain a long. time at a low temperature, and do not acquire this ordinary warmth, till inflammation supervenes and ex alls their sensibility". For a full discussion of the effects of admitting a two spheric wir to parts not defended by the cuticle, see an apay by the Bond, in 2 vol of her Shapman's fournal.



It must there be admittent, from the preceding con siderations, that a culair degree of heat and moisture it recepany for the safety of serous membranes; and that atmospheric air at a temperature equal to, or below, that of the human body will abstract from it both heat and moistur. These views I consider no longer by pothetical, but defensible on chemical and philosophical principles, and they are evidently of no small importance in reference to the Caeraine speration. If it be time, as I shall presently allempt to show, that patients sellow die of harmorrhage after this operation, the fatat result must be asseited wither to peritonitis or to constitutional inilation. Two questions here present themselves, first; How for is peritonitis, in these cases, dependant on the agency of atmospheric air? second if it does defund much whom this agency, what means shall be used to countered tit? In reply to these questions, I would obscure, that if perio touitis does arise from this cause, it must in a quat measure, the fault of the operator. If he be tections in the operation, and suffer the wound to be long exposed



and much handled, he will probably induce influenmation. If it do not attack the peritoneum primarily, the irritation of the wound may extend to this membane by continuous sympathy. But there is good reason to believe, that the air can have but little agency in its ducing partinitis, when the operation is performed in a profeer mariner and in a due time; and that is, that The parts as posed within the wound will be protected from the air by the blood powed out by the clivided reful, edded to the natural moisture of the parts. I apprehave that it will be found, whom Juster investigation, that the fatality of this operation depends much lip upon my me spay danger in cutting into the release through the aboton inal paintes, than upon constitutional and local intation revasioned by delaying the operation until the patient was record nauticule mortis, as is said to have been the fact in most of the sperations performed in Guat Britism.

The second objective, which is engue against the spectation, which is the hast consideration with the hast consideration with put in good graters.

by these, who have any things of the swamp or fatality.



of this operation, or who understoud the structure and action of the uterns. This objection is put at ust by the very perspicuous and philosophical rationals of the action of the muscular files laf the return by Dr Dewees in his system of midwifuy P. 174. 176; because it must be evident, that, if the returns be in a state of time contraction, the longitudinal files, which are the strongest, would more those wish the force steeted up on them by the circular fibres, which tend to retract the edges of the insision, and of course prevent all harmon stage by keeping the wound finally about . I am now supposing the incision to be made immediately under and in a line parallel to the Linear alto. Br Kewas also says, (2584) But little blood is lost when the returns is cut in the centre of its auterior face, unlife the placeda be attached there, and ever then the disclorer is birt if continuouse, if this organ contract forcibly. Two cases reported in the fourth volume of Johnson's Med, Ching, Reviews con fine the opinion, that there is nothing to be offsehended from kacuson hage .



The first was performed by Schuck of Frank feet, Germany. speaking of the speration, he says, by the second incision V by the & which was made to perfect the division of the abdominal parietes, the Ulus was cut into, the uspels which were divided, immediately contracted within the structure of the leteres, so that the blessing was quite insignificant, also that he made the incision in The reterns between Six and seven inches long and cut through a portion of the placenter and yet no artery spouted and only a few owners of blood were lost. The second case is by Dr Meyer of Minden Rupia. In this case the incision was made money to six inches in lengther from the upper part of the Utune towards the necky two thirts of the placenta was cut through , and although the repels traversing it appeared fightfully large" (to use his own words) no important hacu whage followed. " Most interesting was it to observe (rays to the at this moment; the sudden contraction of the returns which quickly diminished to the size of a large good eggi-There are two other cases recorded in the same journal,



where the operator rays, the harverstage was slight; to Wood of Manchester also made his incision through the returns directly upon the placestar, there was no have conserved of importance. Here is sufficient proof, as of that the hermanchage, is the last transfer are home to fear in performing the bacomine frontiers. Of all the numerous acres in partie to be an fact but one where the harvestages and as the source har per the source and as the course form on the sufficient of the source forms of the source and as the course form on the surface of the course form on the surface of the course form of the surface of the course form or the surface of the course form of the surface of the course of the surface of the course of the surface of the course of the course

In making rections of the aliens while it retains it matrical museular evolution, he says, I have been made shoot in chairing how entirely the bloodsupels were closed and invisible; and how four automost of the bloodsupples because, where the same parties of the substance of the actions of more distincted and relaxed.

This pack of the patient contractions of the substance of the subtime of the substance of the



a very principal effect of the mucular action of the womb is the construging of the very numerous repuls, which supply the placente, and which must be supplied when the placenta is separated from the would". - He also says, On the outer surface and lateral part of the would, the muscular fitnes were withe an appear ance of inequality among the larger blood repeter but they we well coloulated to can stringe the nepels, whenever they shall be seited to contraction." after giving this account of the muscularity of the returns, and demonstrating, that a very principal effect of its muscular files is to comprep the numerous repels and sinuses, he proceeds to delail an account of the Caesarian operation performed by his bother Mr John Bell . "He states that; during the specation, no aspols wire seen, nor any harmourhage occurred; that the factus was removed and the placente Theover out by the action of the reteres, that for twenty minutes he computed the abdomen and returns between his hands, at the expiration of that line the incision of the integenments was closed by rulemes and artherine straft, but that happened which he freetow would happen when he conside to compute the returns; viz a falat known hage,"

As Bell then describes the appearances on defection and rays to found the releven lying, contineted, but the increase gaping, the operation was the repeter with operation over not appearants. From the menths of those employ the theoreming blood back here congulated until lay in large cakes in the abstract of

As Me Bell admits our of the principal offices of the museular action of the relieves to be to continuous et museus septe, so that we cannot see the monated fore mobile theretong were kneer they are large and numeral towards ask where could be see the mospily of compreferences was the televiste, and that, other this comprehen was majorated ask televistes, and that, other this comprehen was supported in fact the major with contract the ways of the major plant with most of the major of the televistes of the individual winds the land or the televistes.



may be replied, from his own premises, that if the more cules files on the outer surface and lateral parts of the wornt, which run with an appearance of ing whenity among the larger blood repels, are well calen - lated to constring these uepels, whenever they shall be wested to contraction", that it was of no consequence that the edges of the incision were encited and paralysed, because the contraction of the said mucular files would perent the blood, which comes from the spennatic and thypogastric actives, from reaching, the edges of the incision. In Dr Meyers care, above cited, the edges of the incision did not approximate, get there was no boundarye and the patient recovered. From this I think we must draw one of two conclusions, viz. that either the operation of Mr Bell was performed when the rtems was related, or which is most probable, secondary bacmorrhage ensued fram relaxation, which might have been checked by exerting the tonic contraction of the Weterns. See Deneces Midnifuy P 584. In this case it is not unlikely, that the patient

to tot line bods have died from the same cause, havenering, if the operation has not been performed and the delinay had have effects in some other way. It this is the only case, which I am find where the woman died from herenor harger, it seems the simple of betweeny is against the danger fram this some and wo may my with the bether. "That whater against may be addressed, it is emugh to say in this case; In tim uperior time front; everythe mention to view."

The third with great pairs and suffering of the paleast in the operations. In this is may be authorized that expressed does not justly this apprehension, to the cases of third thinks and Mayer absencing quated and two others aspect to, they say the pair, given by the function was not so much, as that caused by the intractation of the sutures and in that of to Mayer. In says the patient complained very little of tains during the spectation, and aspect the forester and he faints oftenessed, that of her severe labours, this he faints oftenessed, that of her severe labours, the started the Ki Les

again becoming pregnant, appeared to be rejoised at the prospect of being again delivered in the same way. This is not very surprising, as the peritoneum is not son with (according to Bichat) to any in prepion made upon it; with inflammation supervenes. It is the same with the himea alba. If sensibility of any part be at all dependant upon its kepply of news, we must suppose, that the sensibility of the reterns, from its great increase in size, is lep them it was previous to im pregnation; and that the pain dependant on an incision into this organ would not be any greater than into any other musular heart. But in the history of all the cases, where we have a minute description of the operation, the operators concer in saying , that the pain is not great, and generally much lep than delivery in the common

of them there views of the danger of the Carrainan operation be coursed; we ree that it is much left them it has been by many represented.

It may there be enquired, what is the course of the patalog

landow to show it tables it much not much subject

fatality of the operation among Autosto surgeons? It may be uplied to this inquiry. I" That the British surgeons delay at to operate, with the efforts of the mother had brought on a predisposition to positioned inflammation, or had actualty induced it. be Chapman thinks positional inf. Commutation may be produced by severe labours, for he says Commonly I suspect, purporal fever has its origin in int Hammation of the returns, produced by rudidores or violence in the delinery, which spreads more or lep over the paris torcum, according to the whenever of the attack, and the extent of the predis positione" see Chapmans Therapenties, last edition P. 126. The same opinion aspecting the failure of the operation with the British surgeons, is entertained by 18

2 Play were probably equality backward in our coming or presenting presented in flammation by the an of the back to the subject for my Thing it was not just for my Thing it was not very intention, men of the circulation of its bad not already become so frost all of the execute the

minutiae of this operation. But in conclusion Full

the who 2

state some general principles, which seem to me natural by deducible from what I have said in the forgoing, pages, 1. As it is not difficult to determine, without much delay, in what cases the operation may be me apary, it should not be defored with the system becomes exhausted and irritable, and any wounded part is predisposed to take one diseased action. After long continued and violent action of the returns and abdominal muscles, there would be a qualty any montest danger of peritorities. On the other hands the operation should not be undertaken, even if it's po puty be decided, until the ateus begins to all strongly . In this case, the reterns will be more likely to contract so as to prealed the danger of harmon hage. If the ope ration be defined until the patient is exhausted, in ad dition to the danger of inflammation, we shall encounter the danger of harmonhage, as the uterns may be so 4 hoursted, as to remain selated after the removal of the facture and secundines,

I As there is less danger from a clean incision, than from the laceration, straining and under handling of a part,

M

part, the incision obserts he sufficiently large to alter the papage of the shift without any violence to the parts through which it pasted, If the incisions he corrected in well increase both the danger and suffair of the patient.

We have you surface, and experially evous monhours are apt to suffer from exposure the charge and of a temperature differing much from the energy the damps of polarly have some office in beginning the damps of influence than to be read as not to ful chilly to the maked bedge, and in air soluralist by agreem exposure. Although this execute but have a quart influence upon the result of the operation, when performed with the sundy, in other performed with the sundy in the performance of the substitute of the operation, when performed with the triality, in other performed of thinks I am supported by bor Romers, who rough; "attentions should be faild to the smallest circumstance, if it contintual to reader an operations of made consequence of fracts."

" As the shift dangers to be dreaded in this operation we peritoristic and harmon hage, in selecting the place

place and mode of making the incision, we must keep there two dangers in view. We should aim to do the least possible violence to the peritoneum, and to avoid if popule cutting through the placenta and large utime enteries, Two methods have been of late proposed for ma thing the incision in such a mauner, as to entirely avoid wounding the peritoneum. Mr. Bandeloque gunior, in the fournal universal for July 1824 has proposed a method, which has been called a substitute for the Cassacian section ". The operation of M. Dandeleque has been pronounced, and it seems to me with justice, "difficult, complicated and in--pacticable". See Johnson's Review for April 1825. In Dewees midwifery, another method of performing this of evation is proposed by Dr. Physick, which is much more simple, and, if the peritoneum can be stripped from the fundus of the bladder, as he proposes, must proper some decided advanta - ges over every other mode of operating. The first advantages (which is the only one claimed for it) is, that it shows the danger of peritoritis by according the wounding of the per tonewww. A second advantage is, as it would seem to me,

that the incision is made through the estime, when the placement is least aft to be attacked; and when the pin apple to the attacked; are last liable to be executively are last liable to be executively.

It I rigid depletory and antiphly the heatment; after the operation, on very obviously indicated.